

FIG. 1

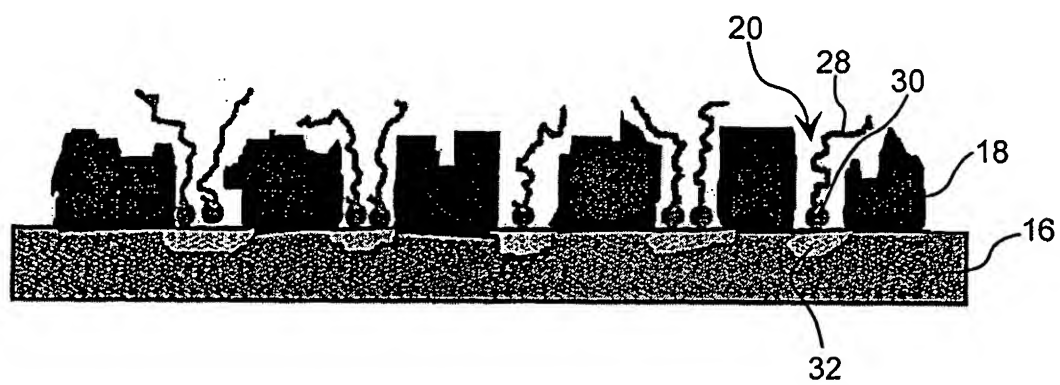


FIG. 2

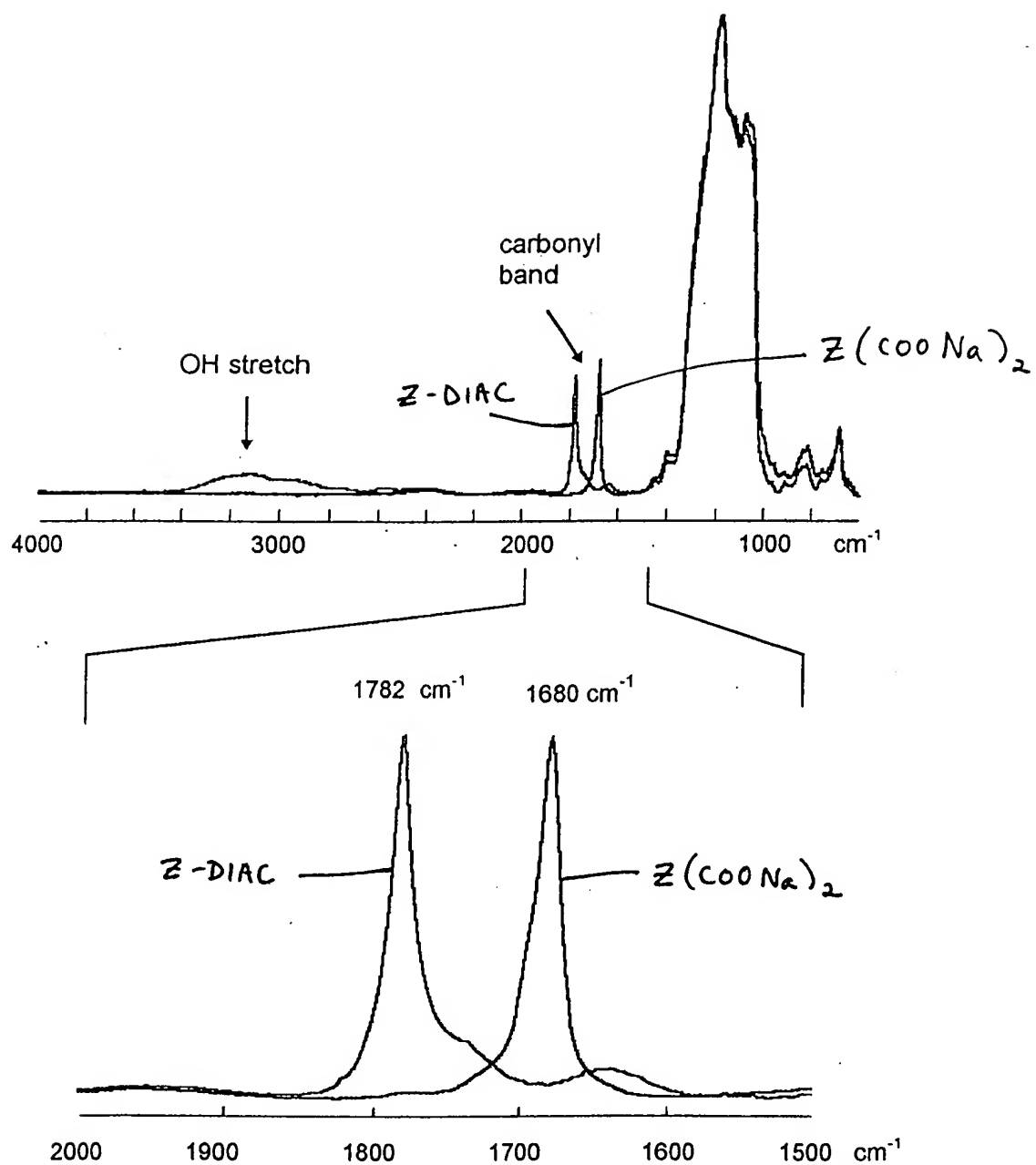
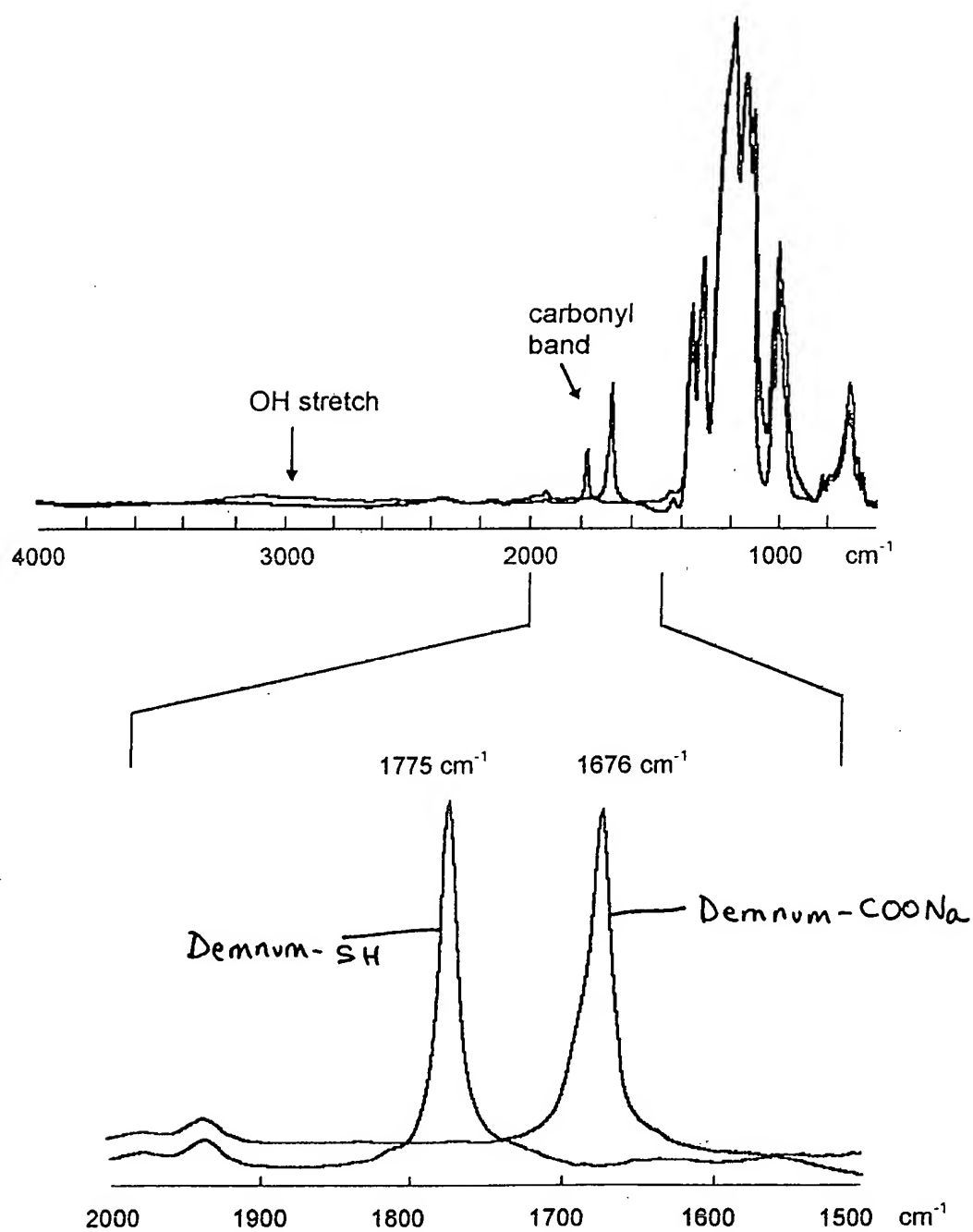
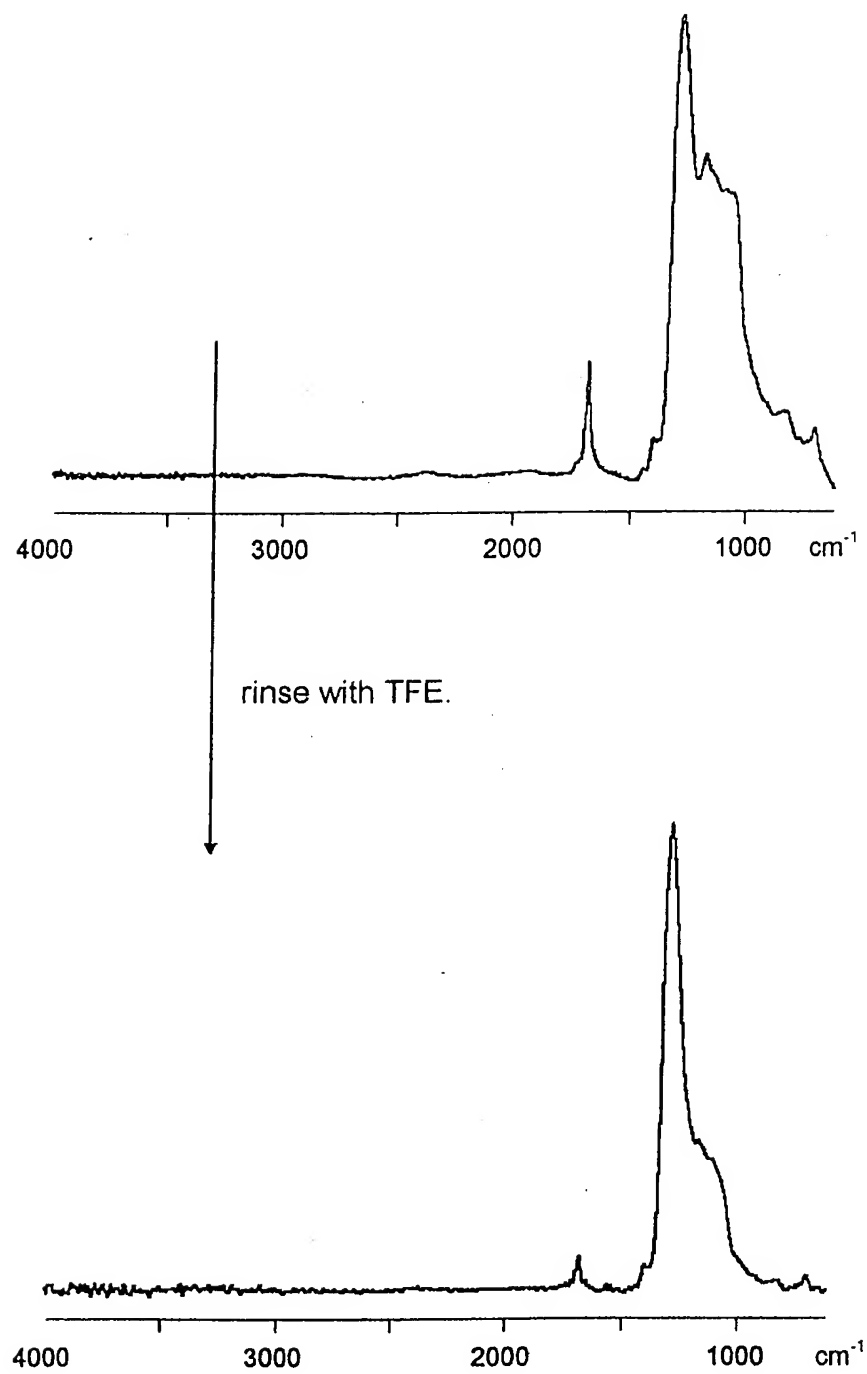


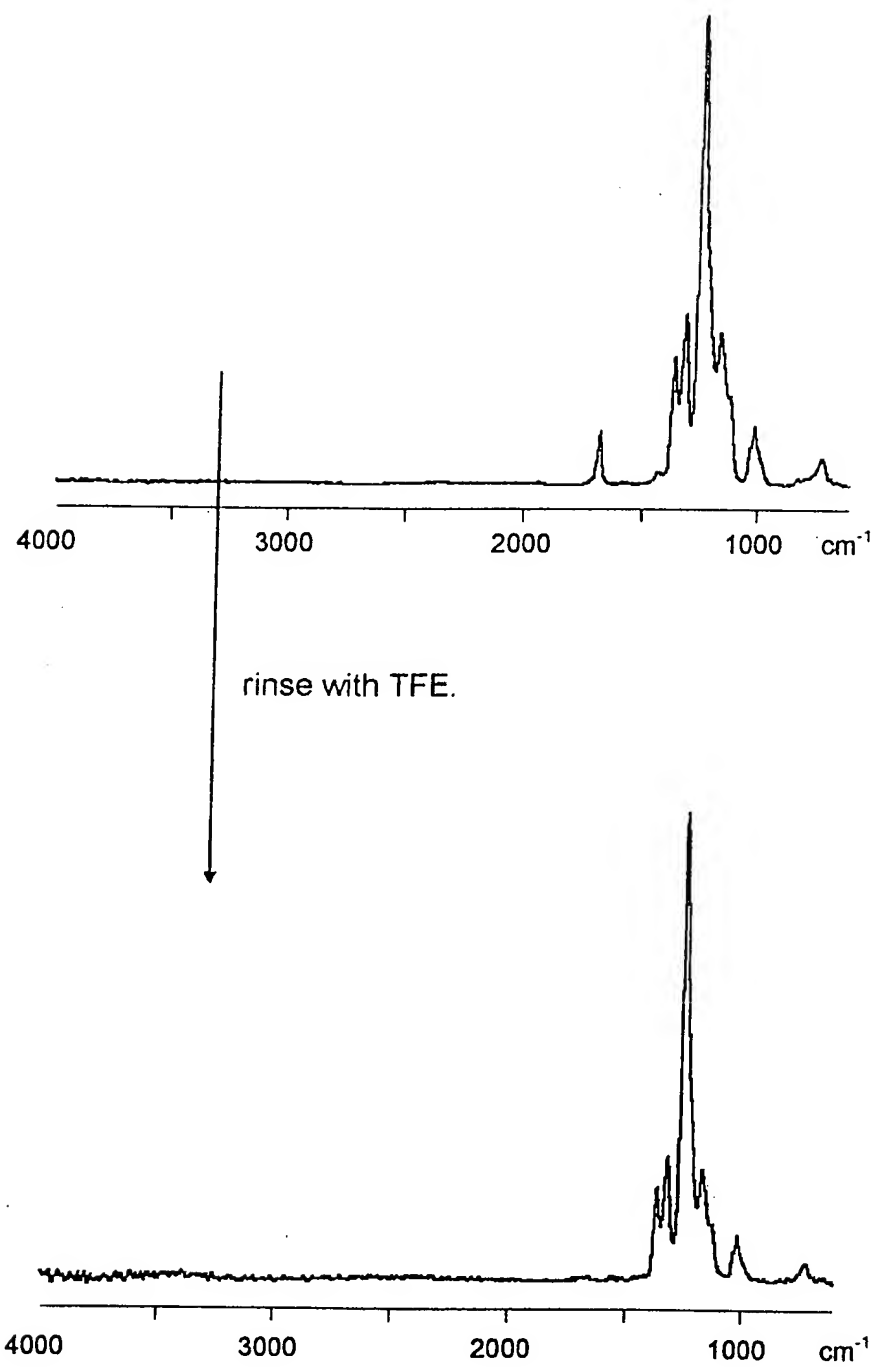
FIG. 3



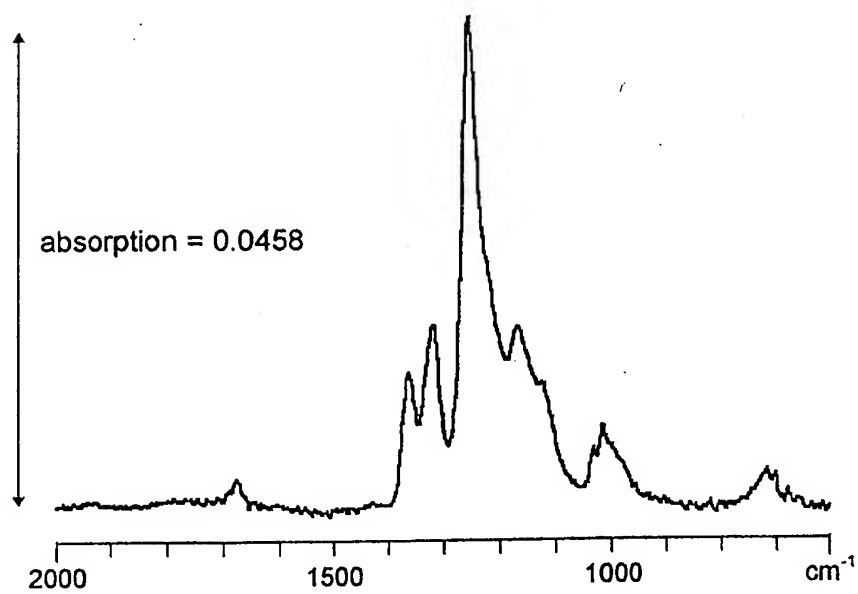
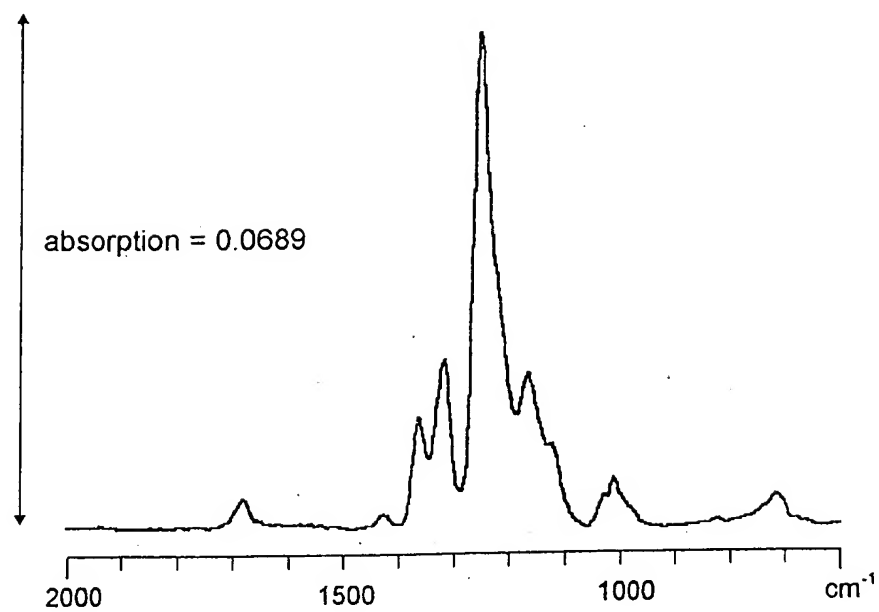
**FIG. 4**



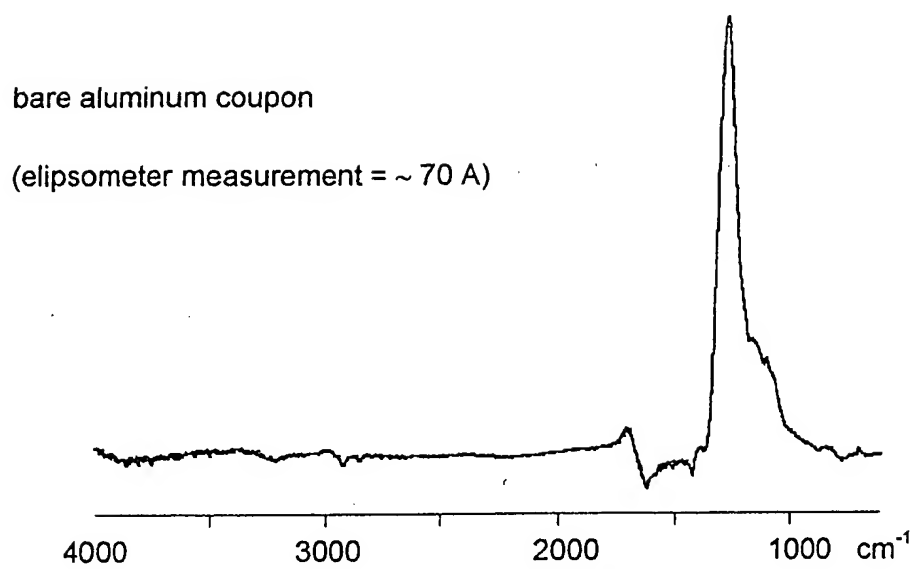
**FIG. 5**



**FIG. 6**



**FIG. 7**

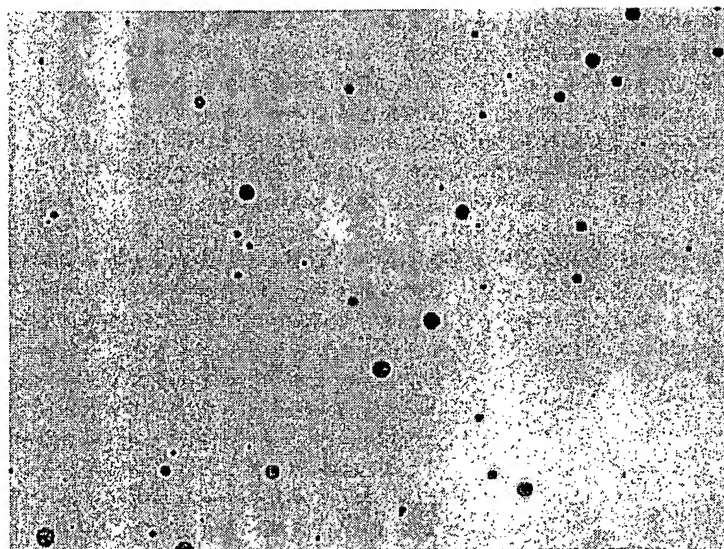


Al coupon with Carbon Overcoat (200  $\text{\AA}$ )  
(elipsometer measurement =  $\sim 5 \text{ \AA}$ )



**FIG. 8**

Bare surface, after etching (48 spots/1.9 mm<sup>2</sup>):



Surface treated with  $Z(\text{COONa})_2$ , after etching (15 spots/1.9 mm<sup>2</sup>):

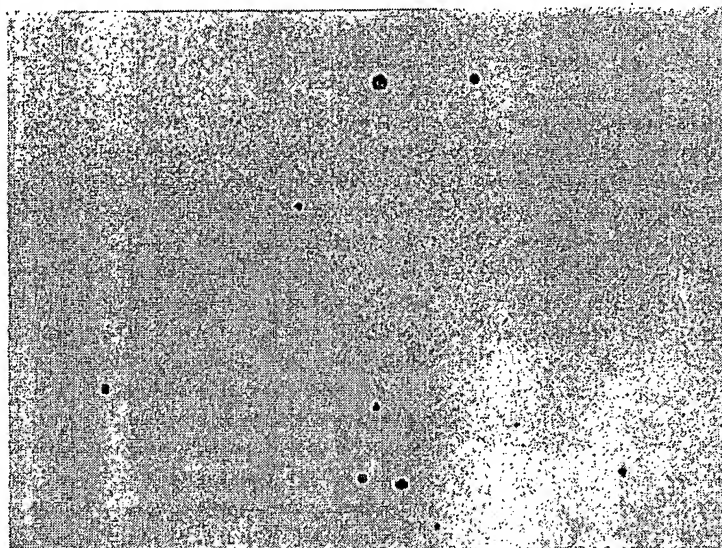
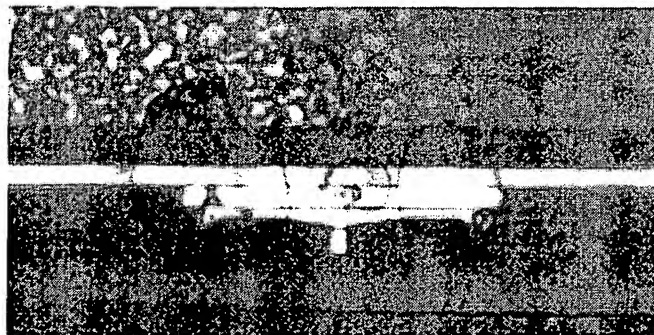


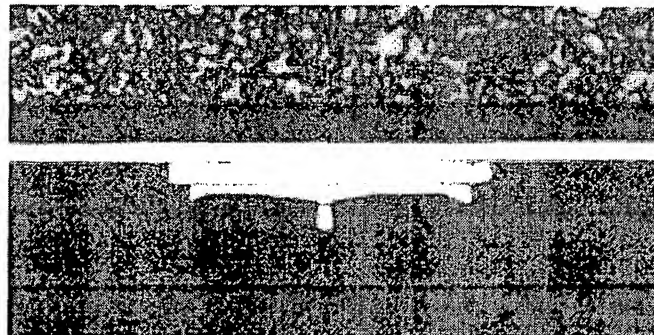
FIG. 9



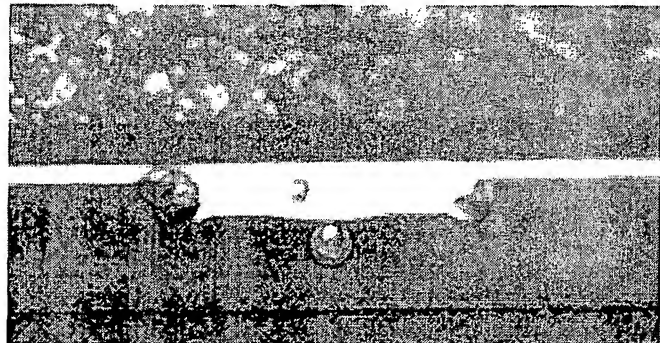
untreated surface



surface treated with D-COONa



untreated surface



surface treated with  $Z(\text{COONa})_2$

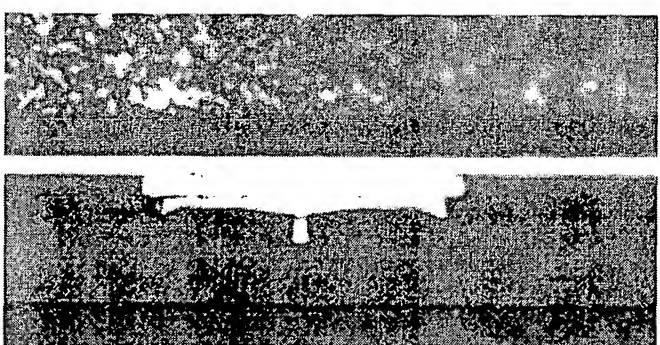
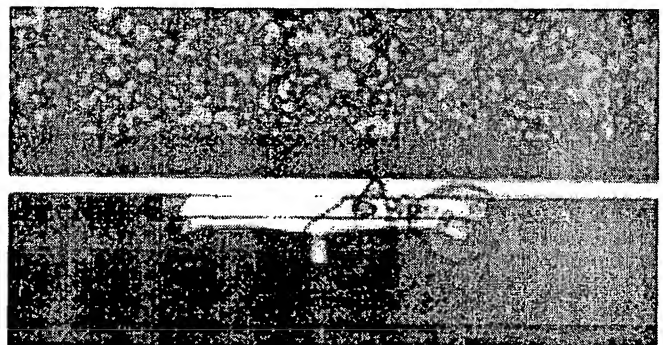
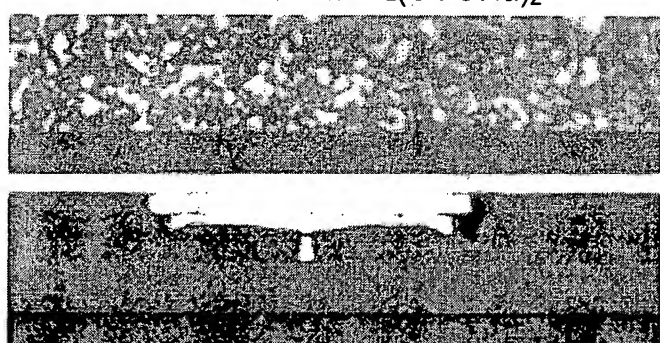


FIG. 10